

In the claims:

Claims 1-14 cancelled.

15. (New) A spherical support, comprising a case having a spherical cavity; a support sphere located in said spherical cavity; a ring plug associated with said case and movable relative to an axis of said case; and a movement lock for said ring plug, said ring plug being formed so that it is movable until a contact with a support surface with a length of travel exceeding a radius of said support sphere.

16. (New) A spherical support as defined in claim 15; and further comprising a screw transmission which provides a possibility of movement of said ring plug relative to said axis of said case.

17. (New) A spherical support as defined in claim 15, wherein said case has screw surface provided with hollows which cooperate with said lock.

18. (New) A spherical support as defined in claim 17, wherein said hollows which interact with said lock are formed as slots which are parallel to said axis of said case.

19. (New) A spherical support as defined in claim 15, wherein  
said movement lock of said ring plug is formed as a ratchet gear.

20. (New) A spherical support as defined in claim 15, wherein  
said ring plug is provided with a ring axial bearing which is rotatable relative to  
said ring plug with an axis of rotation of said axial bearing coinciding with an axis  
of said ring plug.

21. (New) A spherical support as defined in claim 20, wherein  
said ring axial bearing contacts with said ring plug along a spherical surface with  
a center located on an axis of said ring plug.

22. (New) A spherical support as defined in claim 15; and further  
comprising a pneumatic actuator which connects said case with said ring plug.

23. (New) A spherical support as defined in claim 15; and further  
comprising a pneumatic actuator with restoring spring, connecting said case  
with said ring plug.

24. (New) A spherical support as defined in claim 23, wherein  
said spring is located in a working chamber of said pneumatic actuator, said

working chamber of said pneumatic actuator being located in a cavity of said restoring spring.

25. (New) A spherical as defined in claim 15, wherein said ring plug has a side which is opposite to said support surface and forms a closed cavity, wherein said ring plug being formed as a case of a pneumatic actuator, while said case is formed as a piston.

26. (New) A spherical support as defined in claim 15, wherein said support surface of said ring plug is composed of a springy material.

27. (New) A spherical support as defined in claim 15, wherein said ring plug has a part which adjoins said case and forms with said case a single spherical cavity which is removable relative to said case, with a minimum inner diameter of said ring plug being smaller than a diameter of said support sphere.

Please provide the following new abstract of the disclosure:

A spherical support has a case having a spherical cavity, a support sphere located in the spherical cavity, a ring plug associated with the case and movable relative to an axis of the case, and a movement lock for the ring plug, the ring plug being formed so that it is movable until a contact with a support surface with a length of travel exceeding a radius of the support sphere.